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INTELLECTUAL PROPERTY LAW
2455 SOUTH ROAD, MS P386
POUGHKEEPSIE, NY 12601



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ASSIGNOR:

BEAUSOLEIL, WILLIAM F.

DOC DATE: 08/31/2000

ASSIGNOR:

COOK, R. BRYAN

DOC DATE: 09/05/2000

ASSIGNOR:

NG, TAK-KWONG

DOC DATE: 08/31/2000

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DOC DATE: 09/01/2000

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TANNENBAUM, PETER

DOC DATE: 08/31/2000

ASSIGNOR:

THOMAS, LAWRENCE A.

DOC DATE: 09/01/2000

ASSIGNOR:

TOMASETTI, NORTON J.

DOC DATE: 09/01/2000

011148/0165 PAGE 2

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES
CORPORATION
NEW ORCHARD ROAD
ARMONK, NEW YORK 10504

SERIAL NUMBER: 09656541

PATENT NUMBER:

FILING DATE: 09/06/2000

ISSUE DATE:

DIANE RUSSELE, PARALEGAL
ASSIGNMENT DIVISION
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10-16-2000



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Form PTO-1595

U.S. Department of Commerce

09/06/00

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

JCE41 U.S. PTO
09/656541
09/06/00

1. Name of conveying party(ies):
 a) William F. Beausoleil
 b) R. Bryan Cook g) Norton J.
 c) Tak-kwong Ng Tomassetti
 d) Helmut Roth h) _____
 e) Peter Tannenbaum i) _____
 f) Lawrence A. Thomas j) _____
2. Name and Address of receiving Party(ies):
 Name: INTERNATIONAL BUSINESS MACHINES CORPORATION
 Address: New Orchard Road Armonk, NY 10504

More names attached? Y x NMore names attached? Y x N

3. Nature of Conveyance: x Assignment

4. Application number: _____ Filed: _____
 Filed with new application: Yes X No _____
 Execution date(s): _____

09/656541

- a) August 31, 2000 g) September 1, 2000
 b) September 5, 2000 h) _____
 c) August 31, 2000 i) _____
 d) September 1, 2000 j) _____
 e) August 31, 2000 k) _____
 f) September 1, 2000 l) _____

Additional numbers attached? Y x N

5. Name and address of party to whom correspondence concerning document should be mailed:
Lynn L. Augspurger
IBM Corporation
Intellectual Property Law
2455 South Road, MS P386
Poughkeepsie, NY 12601
(845) 433-1174
6. Total # of applications and patents involved: 01
7. Total fee (37 CFR 3.41):
 \$ 40.00
8. Charge to Deposit Account
09-0463.

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9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Billy R. Stacy

Signature

September 6, 2000
DateTotal # of pages comprising cover sheet, attachments, and document: 3

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A S S I G N M E N T

Whereas, We

| | | |
|----------|---|---|
| Inventor | (1) William F. BEAUSOLEIL County of Dutchess | of Hopewell Junction, and State of New York, |
| Inventor | (2) R. Bryan COOK County of Dutchess | of Poughkeepsie, and State of New York, |
| Inventor | (3) Tak-kwong NG County of Dutchess | of Hyde Park, and State of New York, |
| Inventor | (4) Helmut ROTH County of Dutchess | of Hopewell Junction, and State of New York, |
| Inventor | (5) Peter TANNENBAUM County of Ulster | of Woodstock, and State of New York, |
| Inventor | (6) Lawrence A. THOMAS County of Ulster | of West Hurley, and State of New York, |
| Inventor | (7) Norton J. TOMASSETTI County of Ulster | of Kingston, and State of New York, |

have invented certain improvements in HIGH SPEED SOFTWARE DRIVEN EMULATOR COMPRISED OF A PLURALITY OF EMULATION PROCESSORS WITH A METHOD TO ALLOW HIGH SPEED BULK READ/WRITE OPERATION SYNCHRONOUS DRAM WHILE REFRESHING THE MEMORY and executed, respectively, a United States patent application therefor on

| | | |
|-----------------------|-------------------------|-------|
| (1) August 31, 2000 | , (2) September 5, 2000 | , |
| (3) August 31, 2000 | , (4) September 1, 2000 | , |
| (5) August 31, 2000 | , (6) September 1, 2000 | , and |
| (7) September 1, 2000 | . | |

Whereas, **INTERNATIONAL BUSINESS MACHINES CORPORATION**, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM,) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, and, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

1. at Poughkeepsie, NY
on 8/31/2000

William F. Beausoleil
WILLIAM F. BEAUSOLEIL

2. at Poughkeepsie, NY
on 9/5/2000

R. Bryan Cook
~~BRYAN R. COOK~~ R. Bryan Cook (cc)

3. at Poughkeepsie, NY
on 8/31/2000

Tak-Kwong Ng
TAK-KWONG NG

4. at Poughkeepsie, NY
on 9/1/2000

Helmut Roth
HELMUT ROTH

5. at POUGHKEEPSIE, NY
on 8/31/2000

Peter Tannenbaum
PETER TANNENBAUM

6. at ~~Poughkeepsie~~ ^{WEST HURLEY}, NY
on 9/1/2000

Lawrence A. Thomas
LAWRENCE A. THOMAS

7. at Poughkeepsie, NY
on 9/1/2000

Norton J. Tomassetti
NORTON J. TOMASSETTI